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PTO/SB/01 (11\_00)  
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09/23/03  
18351 U.S. PTO

# UTILITY PATENT APPLICATION TRANSMITTAL

Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	BP3036
First Inventor	Ba-Zhong Shen, Ph.D.
Title	Variable modulation with LDPC (Low Density Parity Check) coding
Express Mail Label No.	EV 082608815 US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

## ADDRESS TO:

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

- ☒ Fee Transmittal Form (e.g. PTO/SB/17)  
(submit an original and a duplicate for fee processing)
  - ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
  - ☒ Specification [Total Pages (preferred arrangement set forth below)
    - Descriptive title of the invention
    - Cross Reference to Related Applications
    - Statement Regarding Fed sponsored R&D
    - Reference to sequence listing, a table, or a computer program listing appendix
    - Background of the Invention
    - Brief Summary of the Invention
    - Brief Description of the Drawings (if filed)
    - Detailed Description
    - Claim(s)
    - Abstract of the Disclosure
  - ☒ Drawing(s) (35 U.S.C. 113) [Total Pages   - Oath or Declaration [Total Pages   - ☒ Newly executed (original or copy)  
Copy from a prior application (37 CFR 1.63 (d))
  - ☐ (for continuation/divisional with Box 18 completed)
    - ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
- ☐ Application Data Sheet. See 37 CFR 1.76

- ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
- Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - ☐ Computer Readable Form (CRF)
  - Specification Sequence Listing on:
    - ☐ CD-ROM or CD-R (2 copies); or
    - ☐ paper
  - ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

- ☒ Assignment Papers (cover sheet & documents(s))
- ☒ 37 CFR 3.73(b) Statement (when there is an assignee) ☒ Power of Attorney
- ☐ English Translation Document (if applicable)
- ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
- ☐ Preliminary Amendment
- ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
- ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
- ☐ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
- ☒ Other: LQA, PTO-2038 Forms for \$1314 and \$40.....

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: \_\_\_\_\_  
Prior application information: Examiner: \_\_\_\_\_ Group Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number or Bar Code Label	<input type="text" value="34,399"/>	or	<input checked="" type="checkbox"/> Correspondence address below
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Signature	<i>SK Short</i>	Date	9/23/2003

SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

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09/23/03  
18511 U.S. PTO

# **FREE TRANSMITTAL for FY 2001**

Patent fees are subject to annual revision.

**TOTAL AMOUNT OF PAYMENT (\$)** \$1354.00

**Complete if Known**

Application Number	
Filing Date	
First Named Inventor	Ba-Zhong Shen, Ph.D.
Examiner Name	
Group Art Unit	
Atty Docket No.	BP3036

## **METHOD OF PAYMENT**

1. ☐ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number   
Deposit Account Name

- ☐ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17  
☐ Applicant claims small entity status. See 37 CFR 1.27

2. ☒ **Payment Enclosed:**

☐ Check ☒ Credit card ☐ Money Order ☐ Other

## **FEE CALCULATION**

### **1. BASIC FILING FEE**

Fee Description	Fee Paid
Utility filing fee	750.00
Design filing fee	
Plant filing fee	
Reissue filing fee	
Provisional filing fee	
<b>SUBTOTAL(1)</b>	<b>(\$)</b> \$750.00

### **2. EXTRA CLAIM FEES**

Fee From Below

	Extra Claims	Fee Paid
Total Claims	42 -20** 22 X 18 =	396.00
Independent Claims	5 -3** 2 X 84 =	168.00
Multiple Dependent		

#### **Fee Description**

Claims in excess of 20  
Independent claims in excess of 3  
\*\*Reissue independent claims over original patent  
\*\*Reissue claims in excess of 20 and over original patent

**SUBTOTAL (2) (\$)** 564.00

\*\*or number previously paid, if greater; For Reissues, see above

## **FEE CALCULATION (continued)**

### **3.. ADDITIONAL FEES**

#### **Fee Description**

Surcharge-late filing fee or oath  
Surcharge- late provisional filing fee or or cover sheet  
Non-english specifications  
For filing a request for ex parte reexamination  
Requesting publication of SIR prior to Examiner action  
Requesting publication of SIR after Examiner action

Extension for reply within first month  
Extension for reply within second month  
Extension for reply within third month

Extension for reply within fourth month  
Extension for reply within fifth month  
Notice of Appeal

Filing a brief in support of appeal  
Request for oral hearing  
Petition to institute a public use proceeding  
Petition to revive - unavoidable  
Petition to revive unintentional  
Utility Issue Fee (or reissue)  
Design Issue Fee  
Plant Issue Fee

Petitions to the Commissioner  
Processing fee under 37 CFR 1.17(q)  
Submissions of Information Disclosure Stmt  
Recording each patent assignment per property (times number of properties)  
Filing a submission after final rejection (37 CFR 1.129(a))  
For each additional invention to be examined (37 CFR 1.129(b))

Request for Continued Examination (RCE)  
Request for expedited Examination of design application  
Other fee (specify) \_\_\_\_\_

Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)**

\$40.00

**Complete (if applicable)**

### **SUBMITTED BY**

Name (Print Type) Shayne X. Short, Ph.D.

Registration No. 45,105  
(Attorney Agent)

Telephone (512) 825-1145

Signature

*SX Short*

Date

9/23/2003